

(19) World Intellectual Property
Organization
International Bureau



551096

(43) International Publication Date
7 October 2004 (07.10.2004)

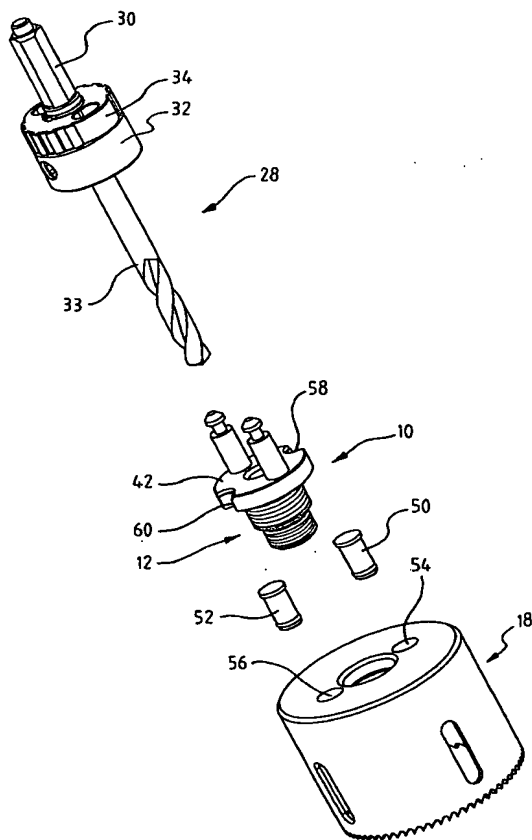
PCT

(10) International Publication Number
WO 2004/085104 A1

- (51) International Patent Classification⁷: **B23B 51/04**, B27G 15/00, B27B 5/12, 33/18
- (21) International Application Number: PCT/AU2004/000376
- (22) International Filing Date: 26 March 2004 (26.03.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2003901440 28 March 2003 (28.03.2003) AU
- (71) Applicant and
(72) Inventor: **KEIGHTLEY, Kym John** [AU/AU]; 5 Vincenzo Street, Fairview Park, SA 5126 (AU).
- (74) Agent: **LESICAR PERRIN**; 49 Wright Street, Adelaide, SA 5000 (AU).
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: AN IMPROVED HOLE SAW BOSS



(57) Abstract: The present invention relates to an improved hole saw boss (10) and in particular, to a boss including a threaded member (12) adapted to accommodate two hole saws of the same or different bore thread diameters. The present invention allows for a pre-existing aperture (22) in a work piece to be simply enlarged. This is useful if a new lock mechanism is being installed in a door with a pre-existing aperture where the lock mechanism requires a larger aperture than that which was in existence. Currently the aperture has to be enlarged by manual handwork since there is no centre-point to which a pilot drill may be enlarged. The threaded bore diameters of the present invention correspond with the commonly available hole saw threaded bore diameters. The present invention therefore provides the public with device for enlarging apertures which is simply, cost effective and can be used with currently available hole saws.

WO 2004/085104 A1



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.